

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

C1  
Wld.

an intelligent controller having associated therewith a  
means for accessing said programming material in  
response to receiving said coded signal; and  
a display unit for presenting said programming  
material.

---

169. A system as defined in claim 168 wherein said at least one  
machine recognizable feature has associated therewith a data  
link which is recognized by said recognition unit.

170. A system as defined in claim 169 wherein said data link  
comprises an image data link.

171. A system as defined in claim 169 wherein said data link  
comprises a video data link.

172. A system as defined in claim 169 wherein said data link  
comprises a programming data link.

173. A system as defined in claim 169 wherein said data link  
comprises a sound data link.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

174. A system as defined in claim 169 wherein said data link comprises an online data link.

175. A system as defined in claim 169 wherein said data link comprises a online shopping data link.

176. A system as defined in claim 169 wherein said data link comprises a pictorial data link.

177. A system as defined in claim 169 wherein said data link comprises an electronic data link.

178. A system as defined in claim 169 wherein said data link comprises an electronic media link.

179. A system as defined in claim 169 wherein said data link comprises an "information superhighway" data link.

180. A system as defined in claim 179 wherein said "information superhighway" data link comprises the internet.

00710410  
P.03040 "01101200

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

181. A system as defined in claim 179 wherein said "information superhighway" data link comprises the world wide web.

182. A system as defined in claim 179 wherein said "information superhighway" data link comprises a computer network.

183. A system as defined in claim 179 wherein said "information superhighway" data link comprises an ISDN network.

184. A system as defined in claim 179 wherein said "information superhighway" data link comprises a telephone line.

185. A system as defined in claim 179 wherein said "information superhighway" data link comprises a CATV line.

186. A system as defined in claim 179 wherein said "information superhighway" data link comprises a local area network.

187. A system as defined in claim 179 wherein said "information superhighway" data link comprises a wide area network.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

188. A system as defined in claim 179 wherein said "information superhighway" data link comprises a data communications network.
189. A system as defined in claim 179 wherein said "information superhighway" data link comprises an Internet Product Service Directory.
190. A system as defined in claim 179 wherein said "information superhighway" data link comprises a globally based digital communications network.
191. A system as defined in claim 179 wherein said "information superhighway" data link comprises a wireless network link.
192. A system as defined in claim 179 wherein said "information superhighway" data link comprises a Wireless Application Protocol internet.
193. A system as defined in claim 179 wherein said "information superhighway" data link comprises an ethernet network.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

- Sub  
DT
194. A system as defined in claim 179 wherein said "information superhighway" data link comprises a RF cellular network.
195. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a bar code.
196. A system as defined in claim 195 wherein said bar code comprises a Universal Product Code.
197. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible bar code.
198. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a magnetic code.
199. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a printed character.
200. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a symbol.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

201. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a pictorial icon.

202. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible indicia.

203. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a two-dimensional figure.

204. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an icon.

205. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible icon.

206. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a watermark.

207. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible

**RESEARCH**

208. A system as defined in claim 207 wherein said invisible watermark comprises a digital watermark.

210. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a binary code.

211. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a digital watermark.

212. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a magnetic strip.

213. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a code.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

214. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an on line shopping product code.

215. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a home shopping product code.

216. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an online shopping service code.

217. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a home shopping service code.

218. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an analog pattern.

219. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a hieroglyphic



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

character.

220. A system as defined in claim 168 wherein said programming material comprises information.

221. A system as defined in claim 168 wherein said programming material comprises a service.

222. A system as defined in claim 221 wherein said service comprises accessing a Web page related to an organization printed on said stationery.

223. A system as defined in claim 221 wherein said service comprises accessing a Web page related to an individual sending said stationery.

224. A system as defined in claim 221 wherein said service includes displaying promotional programming on said display unit of said user.

225. A system as defined in claim 221 wherein said service

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

includes conducting an interaction with said user via a telephone.

226. A system as defined in claim 221 wherein said service includes conducting an interaction between a plurality of users via an online communication chat link.

227. A system as defined in claim 168 wherein said display unit comprises a personal computer.

228. A system as defined in claim 227 wherein said personal computer comprises a laptop computer.

229. A system as defined in claim 168 wherein said display unit comprises a television.

230. A system as defined in claim 168 wherein said display unit comprises a device containing a microprocessor.

231. A system as defined in claim 230 wherein said device containing a microprocessor is hand-held.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

232. A system as defined in claim 230 wherein said device containing a microprocessor is portable.
233. A system as defined in claim 168 wherein said display unit comprises a personal digital planner.
234. A system as defined in claim 168 wherein said display unit comprises an internet appliance.
235. A system as defined in claim 168 wherein said display unit comprises a cellular telephone.
236. A system as defined in claim 168 wherein said display unit comprises a wireless communication device.
237. A system as defined in claim 168 wherein said display unit comprises a simulated book.
238. A system as defined in claim 168 wherein said display unit comprises an intelligent terminal.

2025 RELEASE UNDER E.O. 14176

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

239. A system as defined in claim 168 wherein said display unit comprises a web-based television.
240. A system as defined in claim 168 wherein said display unit comprises a pager.
241. A system as defined in claim 168 wherein said display unit comprises an Internet-enabled telephone.
242. A system as defined in claim 168 wherein said recognition unit is selected from a group consisting of a hand-held unit, a scanner, a bar code scanner, an optical code reader, an optical reader, a personal camera, a personal computer reader, a digital camera, a digital mouse and an optical mouse.
243. A system as defined in claim 242 wherein said recognition unit is linked to a personal computer.
244. A system as defined in claim 242 wherein said recognition unit is linked to a wireless interface.

00760440 0436104

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

245. A system as defined in claim 244 wherein said wireless interface comprises a wireless network.

246. A system as defined in claim 245 wherein said wireless network comprises a cellular network.

247. A system as defined in claim 244 wherein said wireless interface comprises a cellular telephone.

248. A system as defined in claim 244 wherein said wireless interface comprises a pager.

249. A system as defined in claim 244 wherein said wireless interface comprises a wireless personal computer.

250. A system as defined in claim 244 wherein said wireless interface comprises a personal digital assistant.

251. A system as defined in claim 242 wherein said recognition unit is linked to a personal digital assistant.

245 246 247 248 249 250 251

248  
251

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

252. A system as defined in claim 242 wherein said recognition unit is linked to an Internet appliance.

253. A system as defined in claim 242 wherein said recognition unit is linked to a television set.

254. A system as defined in claim 242 wherein said recognition unit comprises a portion of a cellular telephone.

255. A system as defined in claim 242 wherein said recognition unit comprises a portion of a personal digital assistant.

256. A system as defined in claim 242 wherein said recognition unit comprises a portion of a remote control unit.

257. A system as defined in claim 242 wherein said recognition unit comprises a portion of a handwriting implement.

258. A method of providing a user access to programming material, comprising the steps of:

*Sub  
Dx  
comp.*

FOUO "OT" 090600

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

imprinting a machine recognizable feature within a

printed stationary;

scanning said machine recognizable feature of said

printed stationary; and

transmitting data associated with said machine

recognizable feature via a communication link to

access said programming material, wherein said

programming material is related to said printed

stationary.

259. The method of claim 258 wherein said communication link includes the Internet.

260. The method of claim 258 wherein said machine recognizable feature is selected from a group consisting of bar code, universal product code, invisible bar code, magnetic code, printed character, symbol, icon, invisible indicia, two-dimensional figure, icon, invisible icon, watermark, invisible watermark, digital watermark, series of alphanumeric characters, binary code, digital watermark, magnetic strip, code, analog pattern, and hieroglyphic

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

character.

261. A method of providing a user access to supplemental programming material associated with a printed stationary, comprising the steps of:

imprinting a machine recognizable feature within said printed stationary wherein said machine recognizable feature has associated therewith a command sequence for accessing programming material;

scanning said machine recognizable feature within said printed stationary and downloading data indicative of said machine recognizable feature via the Internet to a remote server;

accessing programming material from said remote server; and

transmitting said programming material to said user allowing said user to perceive said programming material in a humanly perceivable form, wherein said programming material is related to said printed stationary.

*SUB  
D6  
cont.*

COPIES OF THIS DOCUMENT ARE AVAILABLE FROM THE PATENT AND TRADEMARK OFFICE



**WORLD OF**

Sub  
D1

263. The method of claim 261 wherein said machine recognizable feature is selected from a group consisting of a bar code, a universal product code, invisible bar code, magnetic code, printed character, symbol, icon, invisible indicia, two-dimensional figure, icon, invisible icon, watermark, invisible watermark, digital watermark, series of alphanumeric characters, binary code, digital watermark, magnetic strip, code, analog pattern, and hieroglyphic character.